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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/072,681

DATE: 05/28/2002
TIME: 10:04:49

Input Set : A:\GENENT.037C3.TXT
Output Set: N:\CRF3\05282002\J072681.raw

ENTERED

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4 <110> APPLICANT: Burton, Louis E.
5     Schmelzer, Charles H.
6     Beck, Joanne T.
8 <120> TITLE OF INVENTION: PURIFICATION OF NGF
11 <130> FILE REFERENCE: GENENT.037C3
13 <140> CURRENT APPLICATION NUMBER: 10/072,681
14 <141> CURRENT FILING DATE: 2002-02-08
16 <150> PRIOR APPLICATION NUMBER: 60/030838
17 <151> PRIOR FILING DATE: 1996-11-15
19 <150> PRIOR APPLICATION NUMBER: 60/047855
20 <151> PRIOR FILING DATE: 1997-05-29
22 <150> PRIOR APPLICATION NUMBER: 08/970865
23 <151> PRIOR FILING DATE: 1997-11-14
25 <150> PRIOR APPLICATION NUMBER: 09/363573
26 <151> PRIOR FILING DATE: 1999-07-29
28 <150> PRIOR APPLICATION NUMBER: 09/675,503
29 <151> PRIOR FILING DATE: 2000-09-29
31 <160> NUMBER OF SEQ ID NOS: 6
33 <170> SOFTWARE: FastSEQ for Windows Version 4.0
35 <210> SEQ ID NO: 1
36 <211> LENGTH: 242
37 <212> TYPE: PRT
38 <213> ORGANISM: Homo sapien
40 <400> SEQUENCE: 1
41 Pro Met Ser Met Leu Phe Tyr Thr Leu Ile Thr Ala Phe Leu Ile Gly
42 1          5          10          15
43 Ile Gln Ala Glu Pro His Ser Glu Ser Asn Val Pro Ala Gly His Thr
44          20          25          30
45 Ile Pro Gln Val His Trp Thr Lys Leu Gln His Ser Leu Asp Thr Ala
46          35          40          45
47 Leu Arg Arg Ala Arg Ser Ala Pro Ala Ala Ala Ile Ala Ala Arg Val
48          50          55          60
49 Ala Gly Gln Thr Arg Asn Ile Thr Val Asp Pro Arg Leu Phe Lys Lys
50 65          70          75          80
51 Arg Arg Leu Arg Ser Pro Arg Val Leu Phe Ser Thr Gln Pro Pro Arg
52          85          90          95
53 Glu Ala Ala Asp Thr Gln Asp Leu Asp Phe Glu Val Gly Gly Ala Ala
54          100         105         110
55 Pro Phe Asn Arg Thr His Arg Ser Lys Arg Ser Ser Ser His Pro Ile
56          115         120         125
57 Phe His Arg Gly Glu Phe Ser Val Cys Asp Ser Val Ser Val Trp Val
58          130         135         140
59 Gly Asp Lys Thr Thr Ala Thr Asp Ile Lys Gly Lys Glu Val Met Val

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60 145          150          155          160
61 Leu Gly Glu Val Asn Ile Asn Asn Ser Val Phe Lys Gln Tyr Phe Phe
62          165          170          175
63 Glu Thr Lys Cys Arg Asp Pro Asn Pro Val Asp Ser Gly Cys Arg Gly
64          180          185          190
65 Ile Asp Ser Lys His Trp Asn Ser Tyr Cys Thr Thr Thr His Thr Phe
66          195          200          205
67 Val Lys Ala Leu Thr Met Asp Gly Lys Gln Ala Ala Trp Arg Phe Ile
68          210          215          220
69 Arg Ile Asp Thr Ala Cys Val Cys Val Leu Ser Arg Lys Ala Val Arg
70 225          230          235          240
71 Arg Ala
75 <210> SEQ ID NO: 2
76 <211> LENGTH: 121
77 <212> TYPE: PRT
78 <213> ORGANISM: Homo sapien
80 <400> SEQUENCE: 2
81 Pro Ser Ser Ser His Pro Ile Phe His Arg Gly Glu Phe Ser Val Cys
82 1          5          10          15
83 Asp Ser Val Ser Val Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile
84          20          25          30
85 Lys Gly Lys Glu Val Met Val Leu Gly Glu Val Asn Ile Asn Asn Ser
86          35          40          45
87 Val Phe Arg Gln Tyr Phe Phe Glu Thr Lys Cys Arg Asp Pro Asn Pro
88          50          55          60
89 Val Asp Ser Gly Cys Arg Gly Ile Asp Ser Lys His Trp Asn Ser Tyr
90 65          70          75          80
91 Cys Thr Thr Thr His Thr Phe Val Lys Ala Leu Thr Met Asp Gly Lys
92          85          90          95
93 Gln Ala Ala Trp Arg Phe Ile Arg Ile Asp Thr Ala Cys Val Cys Val
94          100          105          110
95 Leu Ser Arg Lys Ala Val Arg Arg Ala
96          115          120
99 <210> SEQ ID NO: 3
100 <211> LENGTH: 121
101 <212> TYPE: PRT
102 <213> ORGANISM: mouse
104 <400> SEQUENCE: 3
105 Pro Ser Ser Thr His Pro Val Phe His Met Gly Glu Phe Ser Val Cys
106 1          5          10          15
107 Asp Ser Val Ser Val Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile
108          20          25          30
109 Lys Gly Lys Glu Val Thr Val Leu Ala Glu Val Asn Ile Asn Asn Ser
110          35          40          45
111 Val Phe Arg Gln Tyr Phe Phe Glu Thr Lys Cys Arg Ala Ser Asn Pro
112          50          55          60
113 Val Glu Ser Gly Cys Arg Gly Ile Asp Ser Lys His Trp Asn Ser Tyr
114 65          70          75          80
115 Cys Thr Thr Thr His Thr Phe Val Lys Ala Leu Thr Thr Asp Glu Lys

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116          85          90          95
117 Gln Ala Ala Trp Arg Phe Ile Arg Ile Asp Thr Ala Cys Val Cys Val
118          100          105          110
119 Leu Ser Arg Lys Ala Thr Arg Arg Gly
120          115          120
123 <210> SEQ ID NO: 4
124 <211> LENGTH: 119
125 <212> TYPE: PRT
126 <213> ORGANISM: Homo sapien
128 <400> SEQUENCE: 4
129 Pro His Ser Asp Pro Ala Arg Arg Gly Glu Leu Ser Val Cys Asp Ser
130 1          5          10          15
131 Ile Ser Glu Trp Val Thr Ala Ala Asp Lys Lys Thr Ala Val Asp Met
132          20          25          30
133 Ser Gly Gly Thr Val Thr Val Leu Glu Lys Val Pro Val Ser Lys Gly
134          35          40          45
135 Gln Leu Lys Gln Tyr Phe Tyr Glu Thr Lys Cys Asn Pro Met Gly Tyr
136          50          55          60
137 Thr Lys Glu Gly Cys Arg Gly Ile Asp Lys Arg His Trp Asn Ser Gln
138 65          70          75          80
139 Cys Arg Thr Thr Gln Ser Tyr Val Arg Ala Leu Thr Met Asp Ser Lys
140          85          90          95
141 Lys Arg Ile Gly Trp Arg Phe Ile Arg Ile Asp Thr Ser Cys Val Thr
142          100          105          110
143 Leu Thr Ile Lys Arg Gly Arg
144          115
147 <210> SEQ ID NO: 5
148 <211> LENGTH: 120
149 <212> TYPE: PRT
150 <213> ORGANISM: Homo sapien
152 <400> SEQUENCE: 5
153 Pro Tyr Ala Glu His Lys Ser His Arg Gly Glu Tyr Ser Val Cys Asp
154 1          5          10          15
155 Ser Glu Ser Leu Trp Val Thr Asp Lys Ser Ser Ala Ile Asp Ile Arg
156          20          25          30
157 Gly His Gln Val Thr Val Leu Gly Glu Ile Lys Thr Gly Asn Ser Pro
158          35          40          45
159 Val Lys Gln Tyr Phe Tyr Glu Thr Arg Cys Lys Glu Ala Arg Pro Val
160          50          55          60
161 Lys Asn Gly Cys Arg Gly Ile Asp Asp Lys His Trp Asn Ser Gln Cys
162 65          70          75          80
163 Lys Thr Ser Gln Thr Tyr Val Arg Ala Leu Thr Ser Glu Asn Asn Lys
164          85          90          95
165 Leu Val Gly Trp Arg Trp Ile Arg Ile Asp Thr Ser Cys Val Ser Ala
166          100          105          110
167 Leu Ser Arg Lys Ile Gly Arg Thr
168          115          120
171 <210> SEQ ID NO: 6
172 <211> LENGTH: 130

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173 <212> TYPE: PRT

174 <213> ORGANISM: Homo sapien

176 <400> SEQUENCE: 6

177 Gly Val Ser Glu Thr Ala Pro Ala Ser Arg Arg Gly Glu Leu Ala Val

178 1 5 10 15

179 Cys Asp Ala Val Ser Gly Trp Val Thr Asp Arg Arg Thr Ala Val Asp

180 20 25 30

181 Leu Arg Gly Arg Glu Val Glu Val Leu Gly Glu Val Pro Ala Ala Gly

182 35 40 45

183 Gly Ser Pro Leu Arg Gln Tyr Phe Phe Glu Thr Arg Cys Lys Ala Asp

184 50 55 60

185 Asn Ala Glu Glu Gly Gly Pro Gly Ala Gly Gly Gly Cys Arg Gly

186 65 70 75 80

187 Val Asp Arg Arg His Trp Val Ser Glu Cys Lys Ala Lys Gln Ser Tyr

188 85 90 95

189 Val Arg Ala Leu Thr Ala His Ala Gln Gly Arg Val Gly Trp Arg Trp

190 100 105 110

191 Ile Arg Ile Asp Thr Ala Cys Val Cys Thr Leu Leu Ser Arg Thr Gly

192 115 120 125

193 Arg Ala

194 130

VERIFICATION SUMMARY

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